

FIGURES 1A and 1B

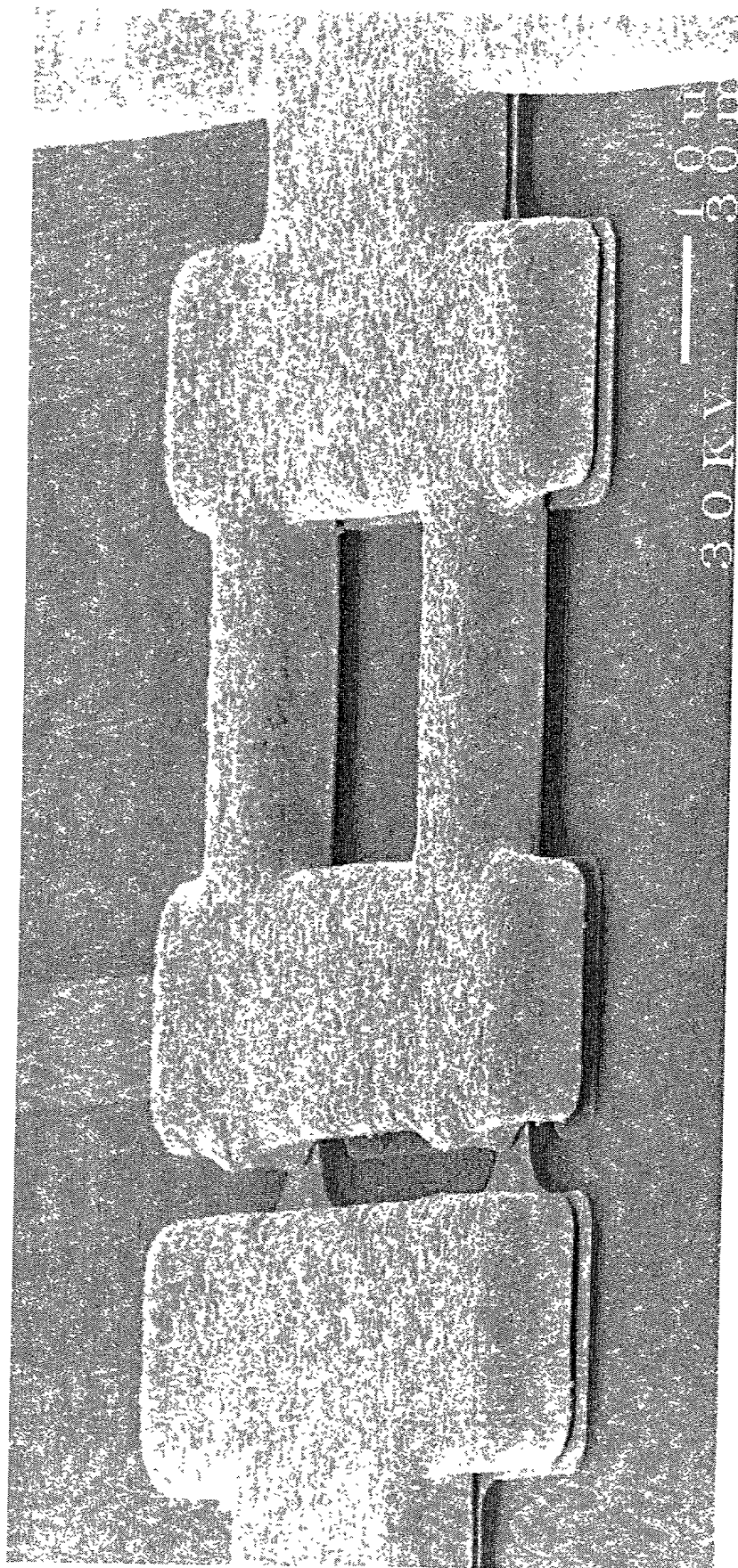
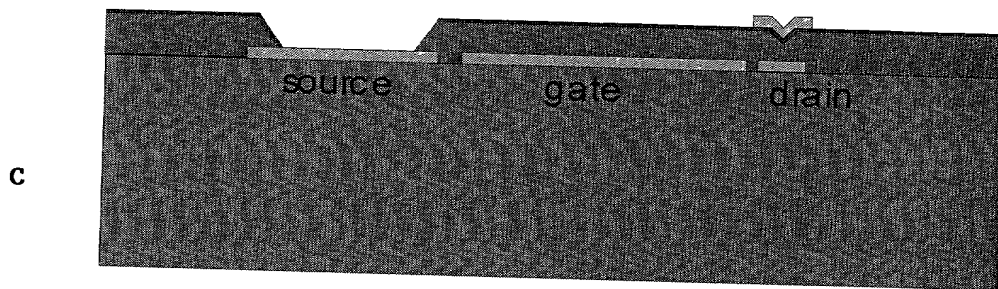
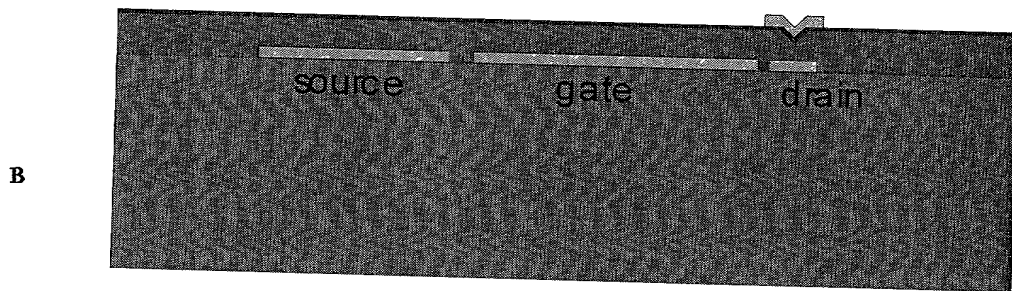
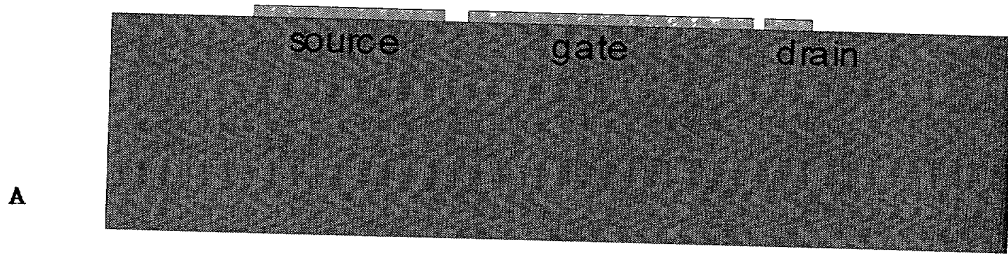
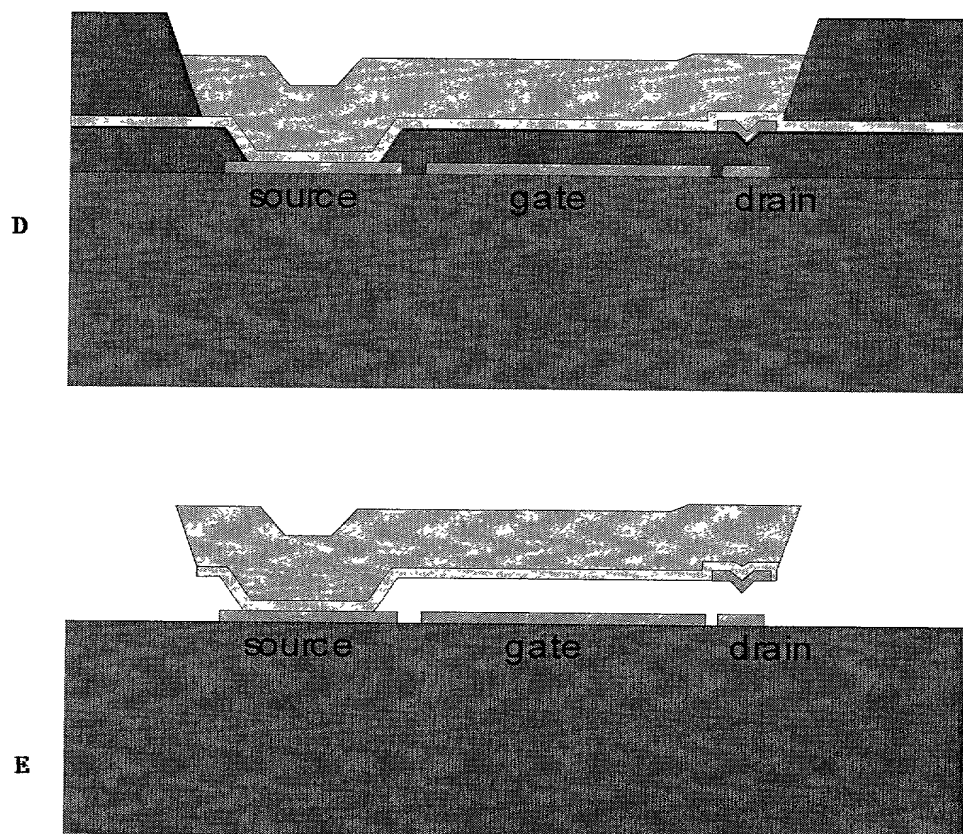


FIGURE 2



FIGURES 3A, 3B, and 3C



FIGURES 3D and 3E

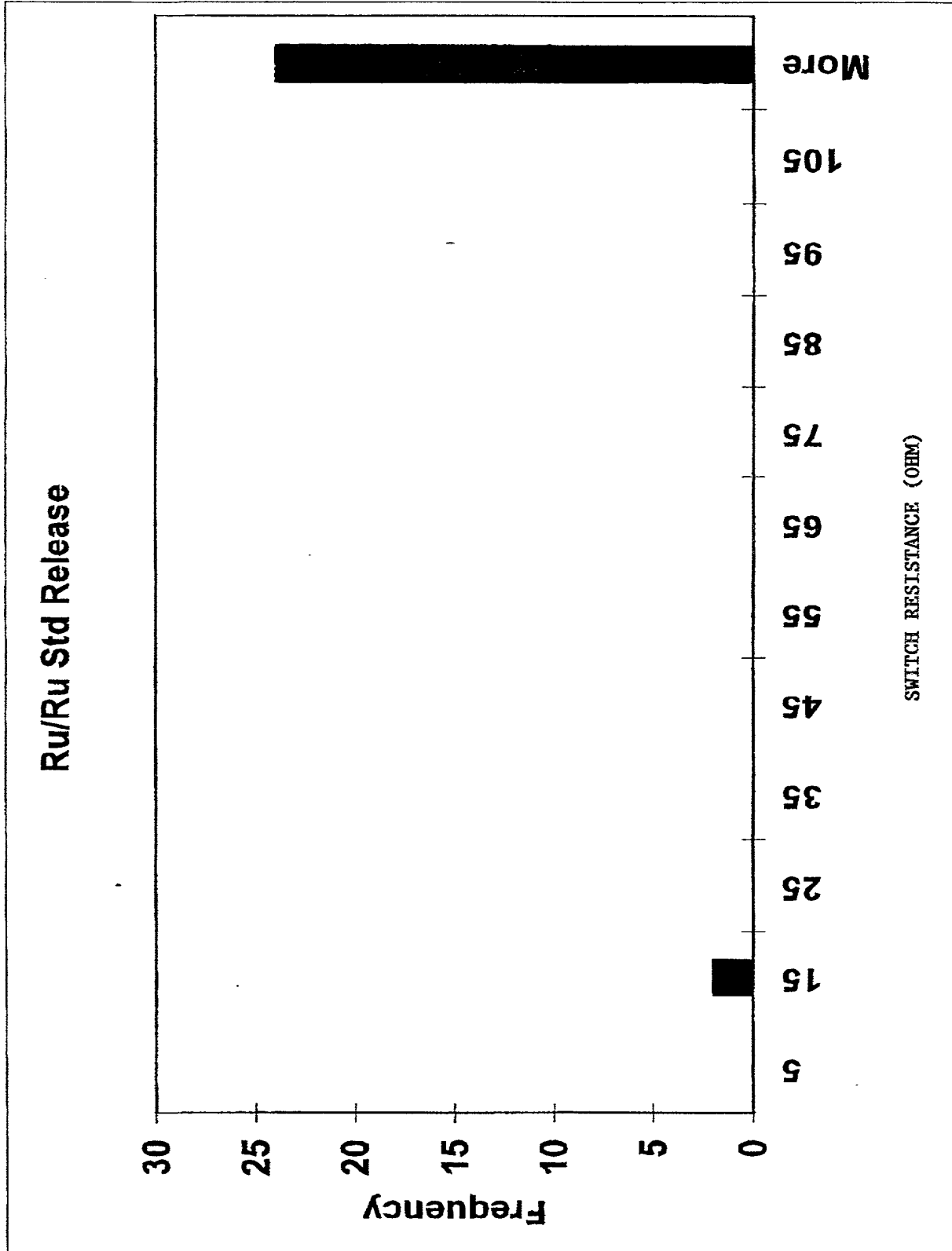


FIGURE 4A

Contact Resistance at 1e6 cycles



Ohms
FIGURE 4B

Ru/Au Std Release

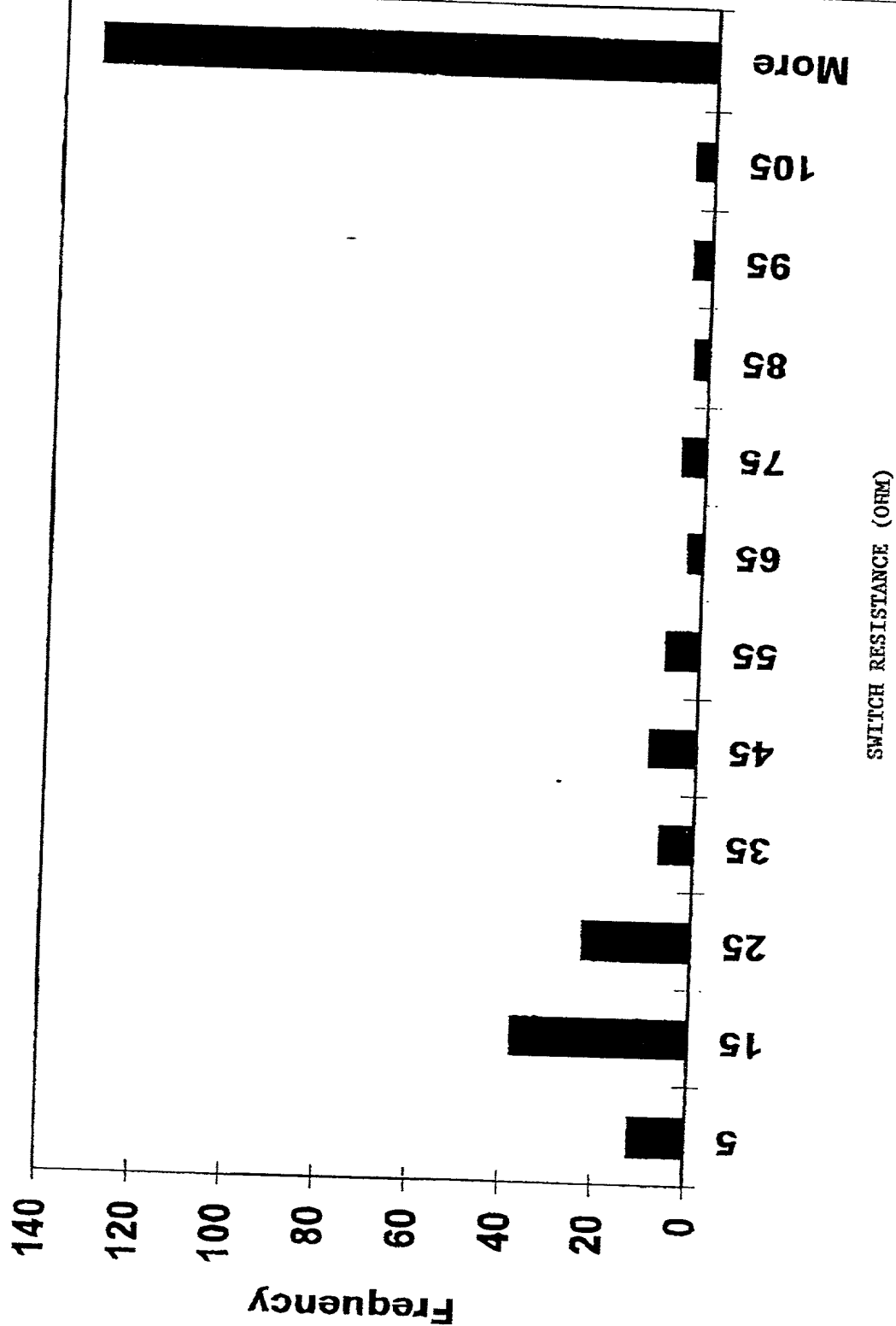


FIGURE 4C

Ru/Au Std Release + MF1 Package Clean



FIGURE 4D

Ru/Au Std Release + MF12 Package Clean

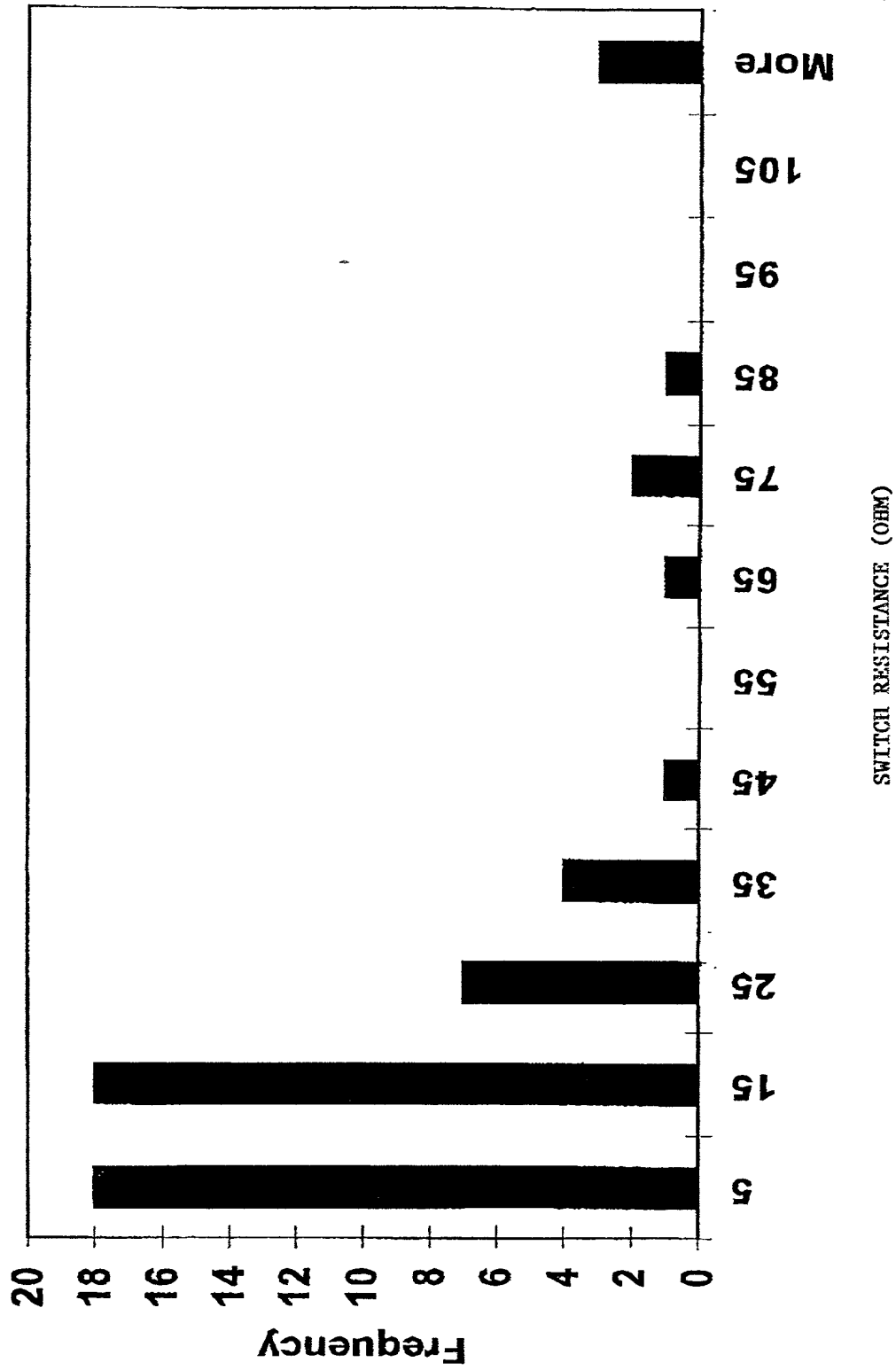


FIGURE 4E

Au/Au Std Release

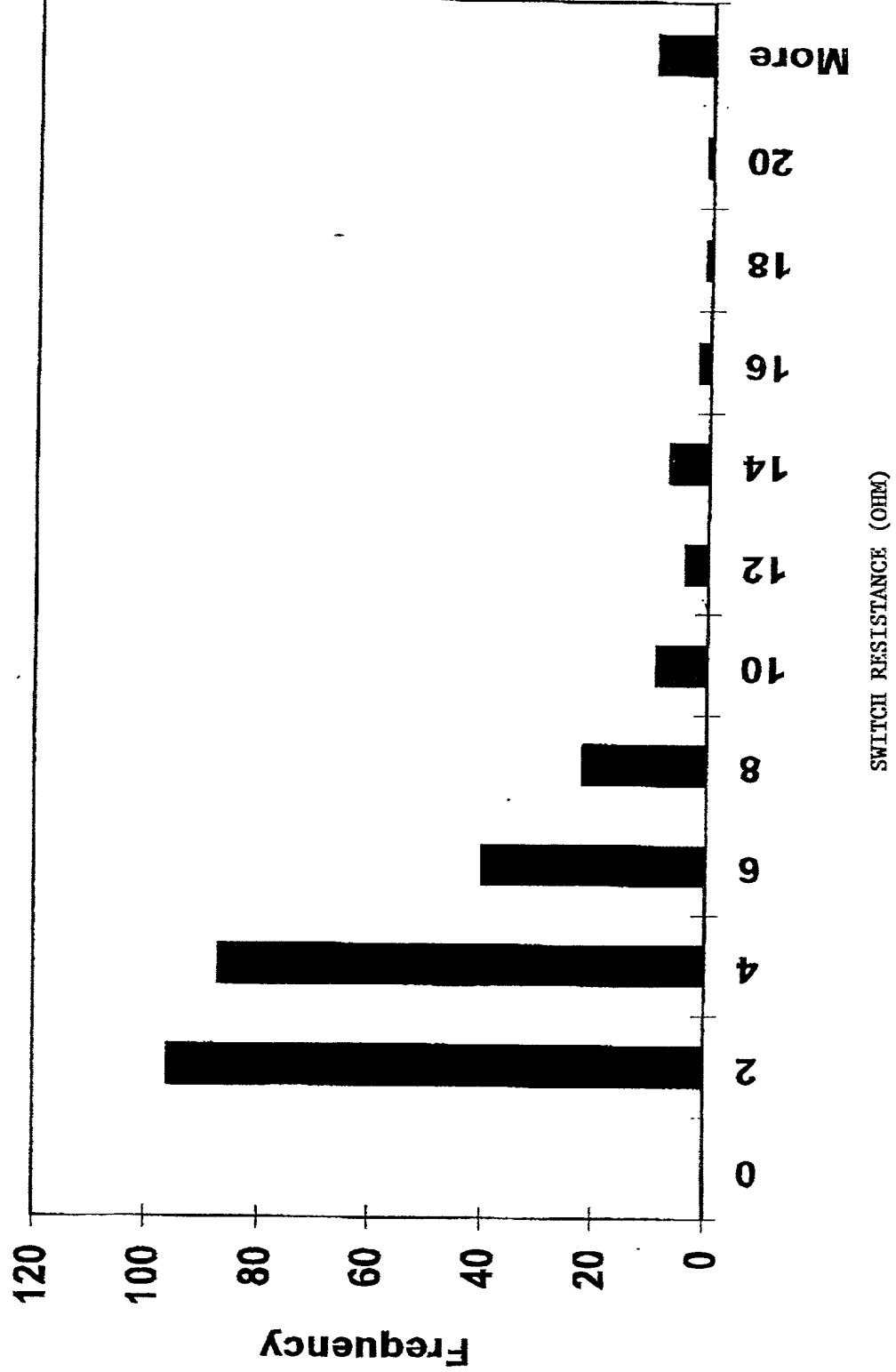


FIGURE 4F

Au/Au Std Release + MF1 Package Clean

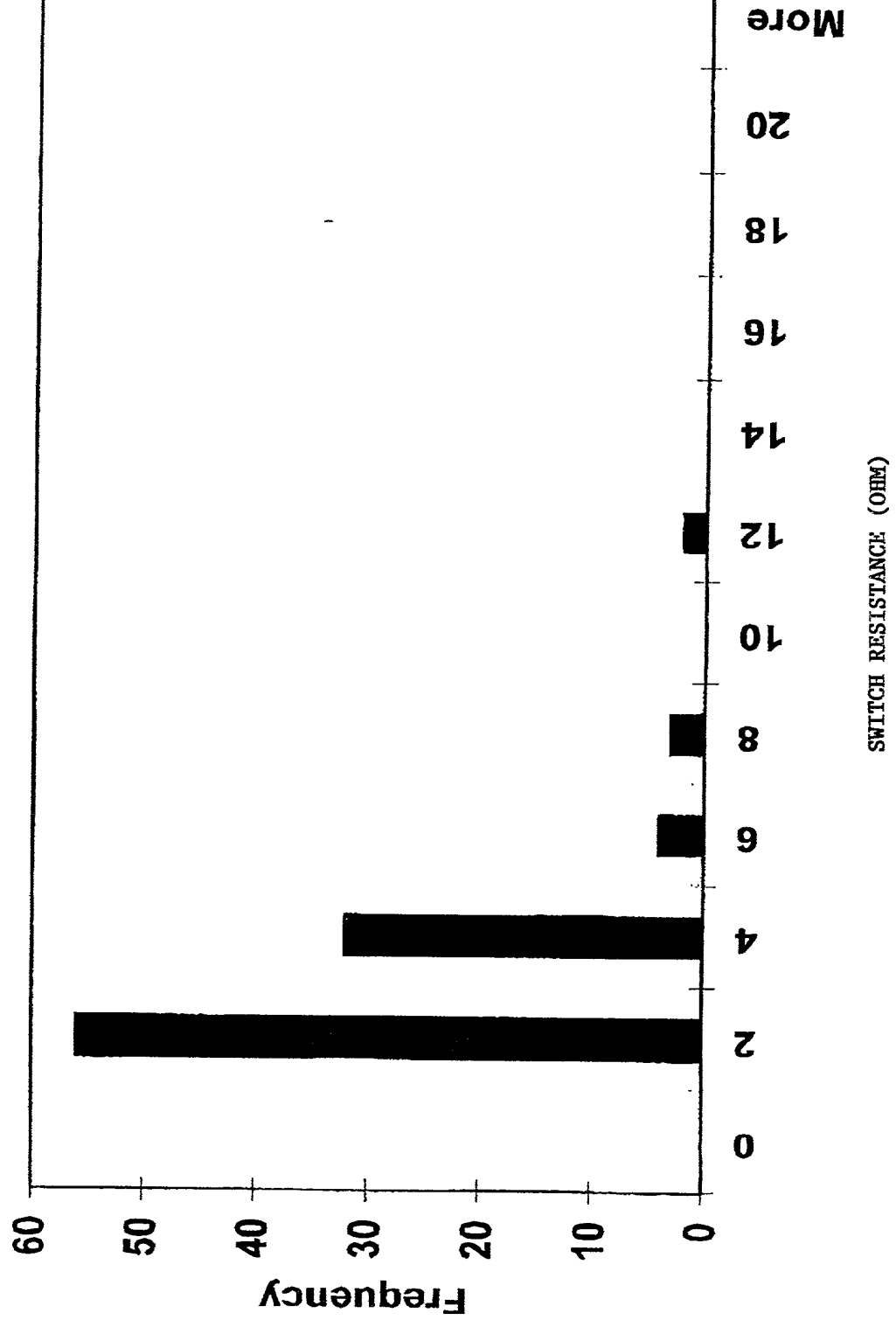


FIGURE 4C